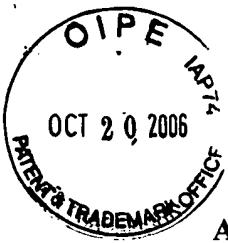


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CoPC

PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Williams, Anthony D. )  
Patent No.: 7,038,507 B2 )  
Issue Date: May 2, 2006 )  
Appl. Serial No.: 10/713,717 )  
Appl. Filing Date: Nov. 14, 2003 )

Examiner: Linh My Nguyen  
Art Unit: 2816  
Atty. Docket No. 030772

Title: FREQUENCY SYNTHESIZER HAVING PLL WITH AN ANALOG PHASE DETECTOR

Attn: Certificates of Corrections Branch  
Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

EXPRESS MAIL CERTIFICATE

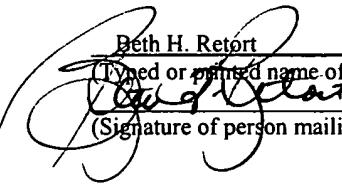
"Express Mail" label number ER524408521US

Date of Deposit October 20, 2006

I hereby certify that the following attached paper or fee

REQUEST FOR CERTIFICATE OF CORRECTION UNDER RULE 1.323  
PTO FORM-PTO/SB/44 (In duplicate)  
CHECK PAYABLE TO PTO (For Correction Fee)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Attention: Certificate of Corrections Branch, Commissioner for Patents, P.O. Box: 1450, Alexandria, VA 22313-1450.

  
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**REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 C.F.R. 1.323**

Kirkpatrick & Lockhart Nicholson Graham LLP  
Pittsburgh, PA 15222  
October 20, 2006

Attention: Certificate of Corrections Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The errors noted on the attached form PTO/SB/44 (furnished in duplicate) appear in the printed copy of the subject patent. At least some of the noted errors occurred through the fault of the applicant, the correction of which (i) does not require the addition of new matter to the subject patent, (ii) require reexamination, or (iii) materially affect the scope or meaning of the subject patent. Further, the errors occurred in good faith.

Enclosed is a check for requisite fee under 37 C.F.R. § 1.20(a). The Commissioner is hereby authorized to charge or credit Deposit Account 11-1110 for any fee deficiencies or overages, respectively.

10/24/2006 MGEBREM1 00000024 7038507  
01 FC:1811 100.00 OP

Date: October 20, 2006

Respectfully submitted,

  
Mark G. Knedeisen  
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OCT 20 2006

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

Page 1 of 1

PATENT NO. : 7,038,507  
 APPLICATION NO. : 10/713,717  
 ISSUE DATE : May 2, 2006  
 INVENTOR(S) : Williams

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**COLUMN 2**

Lines 9-10, delete "caused to changing", and substitute therefor --caused by changing--.

**COLUMN 2**

Line 63, delete "Gamate" and substitute therefor --Garnate--.

**COLUMN 4**

Line 23, delete "ration N", and substitute therefor --ratio N--.

**COLUMN 6**

Line 55, delete "  $F_{loop\ signal}=F_{comp}=42\ MHz.$ ", and substitute therefor -- $F_{loop\ signal}=F_{com\ signal}=42\ MHz.$ --.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Mark G. Knedeisen  
 Kirkpatrick & Lockhart LLP  
 Henry W. Oliver Building  
 535 Smithfield Street  
 Pittsburgh, PA 15222

This collection of information is required 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hr. to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

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**UNITED STATES PATENT AND TRADEMARK OFFICE**  
**CERTIFICATE OF CORRECTION**

Page 1 of 1

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